Swayam Yadav

📞 +91 9348941529   ✉ swayam.2956work@gmail.com   in [LinkedIn](#)   ⌗ [Github](#)

Education

Kalinga Institute of Industrial Technology, Bhubaneswar, India   October 2021 – present
Bachelor of Technology in Computer Science Engineering   *CGPA: 6.64/10.0*

St. Joseph College, Bhalwari, Nepal   October 2018 – April 2020
Senior Secondary School (12th)   *Percentage: 75%*

Projects

Smart Door Lock - Face Recognition System   [GitHub](#)
- Designed and implemented a secure smart door lock system using facial recognition, enhancing security by 30%.
- Utilized Python, OpenCV, and NumPy for facial data processing, achieving 95% recognition accuracy and reducing training time by 20%.
- Integrated IoT capabilities for remote access and control, allowing users to monitor and manage the lock system from their smartphones.

ASL Sign Language Detection System   [GitHub](#)
- Developed an ASL Sign Language Detection System using Python and Random Forest Classifier, achieving 90% accuracy in gesture recognition.
- Integrated OpenCV, MediaPipe, Pillow, NumPy, Pickle, and Tkinter, improving data manipulation efficiency by 25% and enhancing user interface design.
- Implemented real-time feedback for users, providing instant visual and audio feedback on recognized signs, enhancing user interaction and learning experience.

Data Manipulation and Analysis with NumPy and pandas   [GitHub](#)
- Demonstrated proficiency in NumPy array manipulation and mathematical operations by optimizing data processing tasks by 40%.
- Mastered pandas for data handling and analysis, successfully managing and manipulating datasets with a 30% increase in processing efficiency.
- Developed automated data cleaning and preprocessing pipelines, reducing manual effort by 50% and ensuring data integrity and consistency.

Technical Skills

Skills: Python, C++, C, SQL, SIEM tools, OSINT tools, Linux Command Line, Kali Linux, Threat management, Incident response, Security frameworks and control, Security hardening, GitHub, Excel, Adobe Premier Pro
Relevant Coursework: DSA, Object Oriented Programming, DBMS, Software Engineering, Compiler Design, Cryptography, Cloud Computing

Certifications

Google Cybersecurity Professional Certificate (Coursera Certificate)   2024
Python for Everybody Specialization (Coursera Certificate)   2024
Crash Course on Python (Coursera Certificate)   2024
Python for Data Analysis: Pandas and NumPy (Coursera Certificate)   2024

Extra-Curricular Activities

Obstruction Dance Crew, Nepal   2018 – present
Active Member

Korus KIIT Dance Lead   2022 – present
Lead Member

Binary Boppers Dance Crew   2022
Founding Member